

ABSTRACT OF THE DISCLOSURE

A structure of a gatekeeper cluster and method for operating the gatekeeper cluster provides reliability and parallel processing using H.323 alternative gatekeeper signaling in a communication system. One zone is divided into one or more sub-zones in the communication system. Each sub-zone provides redundancy by means of one or more alternative gatekeepers. A pass between respective sub-zones provides redundancy by means of one or more routes. Thereby, a dispersion function is provided on the basis of a backup function. Thus, it is possible to provide a server with stability, and to facilitate IP telephony by providing redundancy and performing backup and dispersion functions of the gatekeeper between the sub-zones.